

NLP in Deep Learning

Text data \longrightarrow Vectors \longrightarrow Numerical representation

- ① One hot encoding
- ② Bag of words
- ③ TF-IDF
- ④ Word2Vec, Average Word2Vec

{Sentiment Analysis, Text Classification}

ANN \longrightarrow Tabular data

CNN \longrightarrow Images, Videos

Data \longrightarrow Sequential \longrightarrow ?

① Text generation \longrightarrow This is an apple

② Chatbot \longrightarrow Question and Answers

Sequential data

The food is good ✓
good the food is X } Sequence of data matters

③ Language Translation

④ Autocorrection

⑤ Sales data \longrightarrow Datetime \longrightarrow Time series Forecasting

RNNs ~~will~~ be used to solve Sequence Data problems